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Applicant(s): Korbin S. Van Dyke, et al.

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Title: PROFILING EXECUTION OF COMPUTER PROGRAMS

COMMISSIONER FOR PATENTS
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PRELIMINARY AMENDMENT AND TRANSMITTAL OF FORMAL DRAWINGS

Kindly amend the application as follows.

In the Specification:

Please amend the specification as follows.

At page 5, line 2, change "schedules" to -- scheduled --.

At page 5, line 5, change "a one" to --one--.

At page 8, line 2, change "which at which at" to --which at--.

At page 9, line 28-29, change "for translating address references are" to --translates address referenced--.

At page 10, line 4, change "Preferred embodiments" to --Embodiments--.

At page 11, line 23, change "Preferred embodiments" to --Embodiments--.

At page 12, line 16, add a period at the end of the line.

At page 14, line 1, change "Preferred embodiments" to --Embodiments--.

At page 20, lines 9-10, change "the I-cache" to --I-cache 112--.

At page 25, lines 7-12, replace the sentence "Translator 124 ... data)." with the following: --Translator 124 also assumes that all memory references are to well-behaved memory. ("Well-behaved memory" is a memory from which a load will receive the data last stored at the memory location. Non-well -behaved memory is typified by memory-mapped device controllers, also called "I/O space," where a read causes the memory to change state, or where a read does not necessarily return the value most-recently written, or two successive reads return distinct data.)--.

At page 25, line 13, replace "references" with --reads--.

I certify that this correspondence, along with any documents referred to therein, is being deposited with the United States Postal Service on October 31, 2000 as First Class Mail in an envelope with sufficient postage addressed to The Commissioner for Patents, Washington D.C. 20231.

At page 27, line 4, replace "the emulator" with --emulator 316--.

At page 27, line 5, replace "The emulator" with --Emulator 316--.

At page 28, line 4, replace "a write-protect" by --XP write-protect--.

At page 28, lines 20-21, replace "the Tapestry operating system and the X86 operating system" with --Tapestry operating system (312 of Fig. 3a) and X86 operating system 306--.

At page 28, line 23, replace "set" with --cleared--.

At page 29, line 25, replace "EPC.PC (the EPC is the X86)" with --EPC.EIP (the EPC is the native --

At page 29, line 26, replace "EPC.PC" with --EPC.EIP--.

At page 29, line 29, replace "the DMU (DMA management unit)" with --DMU (DMA monitoring unit) 700 --.

At page 30, line 8, replace "management" with --monitoring--.

At page 33, line 8, replace "tapestry" with --Tapestry--.

At page 37, line 29, replace "EPC" with --EPC.EIP--.

At page 40, line 24, replace "the emulator and profiler contexts" with --context for emulator 316 and profiler 400 --.

At page 41, line 1, replace "systems," with --systems 306, 312,--.

At page 41, line 24, replace the second instance of "system" with --system 306--.

At page 42, line 23, replace "The emulator" with --Emulator 316--.

At page 45, line 19, replace "EPC" with --EPC.EIP--.

At page 46, lines 11-12, replace "the tapestry operating system" with --Tapestry operating system 312--.

At page 50, lines 3, 4, 5 and 15, replace "EPC" with --EPC.EIP--.

At page 50, lines 17-18, replace "the operating system" with --Tapestry operating system 312--.

At page 51, line 21, replace "EPSW" with --EPC (error PC and program status word), in turn--.

At page 51, line 23, replace "EPSW" with --EPC--.

At page 52, line 25, before "bit" insert --calling convention--.

At page 61, lines 30-31, replace "the X86 operating system are" with --X86 operating system 306 may be--.

At page 64, line 2, replace "the operating system" with --emulator 316 --.

At page 64, lines 5, 6 and 18 (twice), replace "the emulator" with --emulator 316 --.